



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3406 FAX (603) 271-7894



July 18, 2003
Letter of Deficiency
DSP#03-040

Jon and Sue Mackie
26 Campground Road
Meredith, NH 03253

RE: Clearwater Camp Lagoons Dam #155.22, Meredith

Dear Jon and Sue Mackie:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that play a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on November 1, 2000 and May 13, 2003. During this visual inspection and/or file review, the following deficiencies were observed:

The embankments of the lagoons were covered with brush and tree growth. Beaver activity on the embankments of Lagoon No. 2 had removed some of the tree growth. Brush and tree growth prevented a thorough inspection of the embankments;

The western Lagoon No. 1 was full and Lagoon No. 2 was partially full at the time of the inspection;

- 3 There were wet areas noted at the toe of the embankment of Lagoon No. 2; and
- 4 There is no operation and maintenance plan (O&M) on file with the DES

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

September 30, 2003:

1. Remove trees and brush growth from the upstream and downstream embankments and crest of the lagoons. Notify this office when completed so that it will enable our office to conduct a more an inspection of the embankments;
2. Contact and engineering consultant to propose an engineered solution to the seepage contributing to the wet toe at the base of the northern embankment of Lagoon No. 2;

Provide as-built plans, including cross-sections and details for all pipe penetrations; and

- 4 Prepare and submit to the DES a written operation and maintenance plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel. Refer to the enclosed guidelines.

OR

Letter of Deficiency
Dam #155.22/DSP#03-040
July 18, 2003
Pg. 2

Provide written plans and specifications for the permanent closure of the lagoons within one year of receipt of this LOD.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. Please call or write to our office if the repairs are completed ahead of the aforementioned schedule so that DES may schedule a follow-up inspection. Unless notified otherwise, DES will conduct the follow-up inspection on or after the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. Please call or write to our office if the repairs are completed before the aforementioned schedule. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

 **COPY**
Grace E. Levergood, P.E.
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13

cc: Gretchen Rule ✓

Town of Meredith

Certified # 7000 1670 0000 0586 2350

GEL/was/h:/safety/wendy/lod/155-22lod.doc



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3406 FAX (603) 271-7894



Department of Environmental Services
State Dam Safety Program
Water Division, Dam Bureau
6 Hazen Drive, P.O. Box 95
Concord, NH 03302-0095

Intent to Complete Repairs
DAM#155.22/DSP#03-040
DAM Clearwater Camp Lagoons

RE: Letter of Deficiency: Issued on July 18, 2003

Dear Dam Safety Program:

In response to the above referenced Letter of Deficiency (LOD), I concur with the Department of Environmental Service's recommendations, and specifically agree to complete the following items by the indicated schedule.

DATE: September 30, 2003

1. Remove trees and brush growth from the upstream and downstream embankments and crest of the lagoons. Notify this office when completed so that it will enable our office to conduct a more an inspection of the embankments;
2. Contact and engineering consultant to propose an engineered solution to the seepage contributing to the wet toe at the base of the northern embankment of Lagoon No. 2;
3. Provide as-built plans, including cross-sections and details for all pipe penetrations; and
4. Prepare and submit to the DES a written operation and maintenance plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel.

OR

Provide written plans and specifications for the permanent closure of the lagoons within one year of receipt of this LOD.

In lieu of the above, you may propose adjustments to the content or schedule associated with the requested repairs/work. (please state reasons for proposal and use reverse side if more space is needed).

Signature of Owner: _____

_____ (print name)

Date: _____

ENG:- GEL